

CURRICULUM VITAE

TODD J. ALBERT, MD, FACS

Date of preparation: March 25, 2015.

A. GENERAL INFORMATION

OFFICE ADDRESS Hospital for Special Surgery
535 E 70th Street, 8th floor
New York, NY 10021
212-606-1004

B. EDUCATIONAL BACKGROUND

Degree	Institution	Dates attended	Year awarded
BA, Neuroscience <i>Magna cum Laude</i>	Amherst College	1979-1983	1983
MD	University of Virginia School of Medicine	1983-1987	1987

C. PROFESSIONAL POSITIONS AND EMPLOYMENT

Post-Doctoral training

1987-1988	Internship – Pennsylvania Hospital Surgery Philadelphia, Pennsylvania
1988-1992	Residency – Thomas Jefferson University Hospital Orthopaedic Surgery Philadelphia, Pennsylvania
1992-1993	Fellowship – Minnesota Spine Center Spinal Surgery

Minneapolis, Minnesota

Academic Positions

2014- Present	Surgeon-in-Chief and Medical Director Korein-Wilson Professor of Orthopaedic Surgery Hospital for Special Surgery
2014-Present	Chairman and Professor of Orthopaedic Surgery Weill Cornell Medical College
2006-2014	President – The Rothman Institute
2007-2014	Richard H. Rothman Professor and Chairman – Department of Orthopaedic Surgery Thomas Jefferson University
2006-2007	James Edwards Professor and Chairman – Department of Orthopaedics Thomas Jefferson University Thomas Jefferson University Hospital
2005-2014	Professor of Neurosurgery Jefferson Medical College, Thomas Jefferson University Philadelphia, Pennsylvania
2001-2014	Professor of Orthopaedic Surgery, Jefferson Medical College, Thomas Jefferson University Philadelphia, Pennsylvania
1998-2006	Vice Chairman, Department of Orthopaedics Thomas Jefferson University Hospital Philadelphia, Pennsylvania
1997-2001	Associate Professor of Orthopaedic Surgery, Jefferson Medical College, Thomas Jefferson University Philadelphia, Pennsylvania
1997.	Assistant Professor of Orthopaedic Surgery, Jefferson Medical College, Thomas Jefferson University Philadelphia, Pennsylvania

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Hospital positions

2014-Present	Hospital for Special Surgery New York, New York
2014-Present	New York-Presbyterian Hospital New York, New York
2010-2014	Rothman Orthopaedic Specialty Hospital Bensalem, Pennsylvania
1996-2014	Main Line Health Bryn Mawr, Pennsylvania
1993-2014	Attending Orthopaedic Surgeon Thomas Jefferson University Hospital Philadelphia, Pennsylvania
1997.	Active Staff Pennsylvania Hospital Philadelphia, Pennsylvania
2014.	Courtesy Staff Without Privileges Pennsylvania Hospital Philadelphia, Pennsylvania

Other Employment

2014.	Rothman Institute Philadelphia, PA Attending Orthopaedic Surgeon
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D. BOARD CERTIFICATION

BOARD CERTIFICATIONS

7/13/95-12/31/05	American Board of Orthopaedic Surgery, Inc.
1/1/06 – 12/31/15	American Board of Orthopaedic Surgery, Inc.
1/1/16 – 12/31/25	American Board of Orthopaedic Surgery, Inc.

E. PROFESSIONAL MEMBERSHIPS

1. Member/officer Name of Organization Dates

SOCIETY MEMBERSHIPS

Member	Society of Sigma Xi	1983-Present
Member	American Medical Association	1985-Present
Member	Pennsylvania Medical Society	1988-Present
Member	Jefferson Orthopaedic Society	1992-Present
Member	Scoliosis Research Society	1994-Present
Member	Cervical Spine Research Society	1995-Present
Member	International Society for Study of the Lumbar Spine	1995-Present
Member	Philadelphia County Medical Society	1985-Present
Member	North American Spine Society	1995-Present
Member	American Spinal Injury Association	1996-Present
Member	American Academy of Orthopaedic Surgery	1997
	Active Fellow	
Member	American Orthopaedic Association	1999-Present
Member	American College of Surgeons	2001-Present
Member	Eastern Orthopaedic Society	2004-Present
Member	Interurban Orthopaedic Society	2010-Present
Member	Association of Bone and Joint Surgeons	2011-Present
National Director	SICOTONE Spine	2005
Vice President	Cervical Spine Research Society	2005-2006
President Elect	Cervical Spine Research Society	2006-2007
President	Cervical Spine Research Society	2008-2009
Committee Chair	Scoliosis Research Society IMAST	2008-2011
Board of Directors	Scoliosis Research Society	2012-2014
Vice President	Scoliosis Research Society	2015-2016

F. AWARDS AND HONORS

ACADEMIC

2008	Sir John Charnley Award of Excellence
1998	The John J. Gartland Award for Resident Education
1993	John J. Fahey American Orthopaedic Association Memorial North American Traveling Fellowship
1992	Everett Gordon Award – Outstanding Chief Resident

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1991 Editor, Jefferson Orthopaedic Journal
1990 Associate Editor, Jefferson Orthopaedic Journal
1983. Society of Sigma Xi
The Manstein Family Award
James Olds Memorial Neuroscience Award
2012 The John J. Gartland Award for Resident Education

COMMUNITY

2012. John Wanamaker Award
YMCA of Philadelphia & Vicinity

OUTSTANDING PAPER AWARDS

Albert TJ, Hozack WJ, Vaccaro AR, Booth RE, Rothman RH, Balderston RA: A prospective analysis of patient-based health outcome assessment after total joint arthroplasty and spinal surgery: A comparative analysis. North American Spine Society, 1995.

Kramer DL, Ludwig SC, Balderston RA, Vaccaro AR, Foley K, **Albert TJ**: Placement of pedicle screws in the cervical spine: Comparative accuracy of cervical pedicle screw placement using three techniques. Cervical Spine Research Society, 1996.

Rihn JA, Radcliff K, Hilibrand AS, Zhao W, Blood E, Vaccaro AR, **Albert TJ**, Weinstein JN. North American Spine: Does Obesity Affect Outcomes in the Lumbar Spine Patient? October 9, 2010.

Outstanding Poster Awards

Silber JS, Anderson DG, Brislin B, Hilibrand AS, Vaccaro AR, **Albert TJ**: Functional assessment of donor site morbidity following anterior iliac crest bone harvest for single level anterior cervical discectomy and fusion by a single surgeon. Cervical Spine Research Society, 2001.

June, 2006 ISSLS AWARD: Operative vs. Nonoperative Treatment of Herniated Nucleus Pulposus: A Randomized Prospective Trial. Bergen Norway.

IMAST Program Co-Chairman – Scoliosis Research Society

CSRS Outcomes Committee Chairman
President – Federation of Spine Associations (FOSA)

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July 2007 ISSLS: Surgical vs. Non-operative Treatment for Lumbar Spinal Stenosis: Two Year Results of the Spine Patient Outcomes Research Trial.

NON-ACADEMIC

1995. Marine Corps Marathon

PATENTS

Bone Screw Device – Patent US 7,955,358 B2 Awarded Jun. 7, 2011

G. INSTITUTIONAL/HOSPITAL AFFILIATION

1. Hospital for Special Surgery
2. New York-Presbyterian Hospital
3. Weill Cornell Medical College

H. EMPLOYMENT STATUS

Hospital for Special Surgery, Surgeon-in-Chief

- Salaried

I. CURRENT AND PAST INSTITUTIONAL RESPONSIBILITIES AND PERCENT EFFORT

Teaching

Grand Rounds: Guest Lecturer, Lenox Hill Hospital, New York, New York
“Understanding the New Healthcare Paradigm: Measuring Value in Orthopaedics”
June 8, 2015

Cervical Spine Motion Preservation Symposium. Invited
Lecturer. Hospital for Special Surgery.
“Defining the Problem-Adjacent Segment Degeneration/Disease”
May 8, 2015

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Grand Rounds: Invited Lecturer, WCMC Neurological Surgery
“Measuring Value in Healthcare”
April 22, 2015

Grand Rounds: Guest Lecturer, Massachusetts General
“Measuring Value in Healthcare”
October 22-23, 2014

Journal Club, Thomas Jefferson University Hospital, Department of Orthopaedic Surgery; Dr. Albert hosting at his home, guest speaker Dr. Schwab; 2/5/13. Attended by residents and faculty.

Cervical Spine Deformities, Yale University Grand Rounds, New Haven, CT, Feb 13, 2004. Attendees: medical students, residents, physicians and nursing staff.

Options for Preserving Motion in the Lumbar Spine. Grand Rounds. Hahnemann Hospital, Jan 8, 2003. Attendees: medical students, residents, physicians and nursing staff.

Pitfalls in Cervical Spine Trauma, University of Virginia Grand Rounds, Charlottesville, VA, October 10, 2003. Attendees: medical students, residents, physicians and nursing staff.

Controversies in cervical spine surgery. Grand Rounds lecture. Thomas Jefferson University Hospital, Philadelphia, PA. September 1996. Attendees: medical students, residents, physicians and nursing staff.

Treatment of Cervical Radiculopathy and Myelopathy. Grand Rounds, Thomas Jefferson University Hospital. Philadelphia, PA. April 1994. Attendees: medical students, residents, physicians and nursing staff.

Upper lumbar disc herniations. Jefferson Orthopaedic Society. Philadelphia, PA. November 1990, Guest Lecturer. Attendees: medical students, residents, physicians, alumni and nursing staff.

Concomitant thoracolumbar and sacral fractures. Jefferson Orthopaedic Society. Philadelphia, PA. November 1990. Guest Lecturer. Attendees: medical students, residents, physicians, alumni and nursing staff.

Courses Taught

Cervical Trauma. American Academy of Orthopaedic Surgeons Comprehensive Review Course. Philadelphia, PA. September 1998.

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Cervical Trauma: American Academy of Orthopaedic Surgeons Comprehensive Review Course. San Francisco, CA. November 13, 1999.

Innovative Techniques in Spine Surgery

“How Do We Measure and Define Success in Spine Surgery?”

Moderator: “Fusion Biologics Update”

Cervical TDR – “Discover”

“Commercializing Novel Technology – Your Innovative Idea” – Introduction

7th Annual Innovative Techniques in Spine Surgery

Los Cabos, Mexico – June 17-19, 2010

Program Co-Chair – Spine Technology Education Group Annual Meeting –
Cabo San Lucas:

Disorders of the Spine Review Course – September 24, 2005 – New York City. “Spinal Trauma: Cervical and Thoracolumbar.”

“A Time for Leadership

“Discover Update”

Cabo San Lucas

June 23-26, 2011

AAOS 2012 Annual Meeting – San Francisco, CA – February 7-11, 2012:

Spine Review Course – Updates on cervical degenerative spine surgery; thoracic and lumbar degenerative spine surgery; spinal trauma surgery and adult spine deformity surgery, February 7, 2012

AAOS 2012 Annual Meeting – San Francisco, CA – February 10, 2012.

Orthopaedic Review Course – Degenerative Spine.

February 10, 2012.

AAOS 2014 Annual Meeting

Spine Review Course – “Cervical Degeneration” and “Trauma”

“Maximizing Your Practice’s Potential in the New Healthcare Environment”

“Adult Consequences of Pediatric Orthopedic Conditions”

“Orthopaedic Review course”

New Orleans, LA

March 10-15, 2014

Clinical Care

My main focus is in the care of cervical spine, both simple and complex. I am in the clinic one day a week at the Hospital for Special Surgery. In addition, I operate at the Hospital for Special Surgery two days a week.

There is a Spine Fellow and a Resident assigned to my service. With regard to teaching the major objectives including advancing the clinical judgment and technical skills of the fellows/residents in the area of the evaluation and treatment of patients with spinal diseases. These disease processes including spinal deformity acquired diseases, tumors, trauma and degenerative diseases. On my spine service, I strive to provide an educational background in spine surgery, which will enable the fellow/resident to become proficient in the basic principles of spine function and in diagnosing and treating conditions of the spine. Regarding patient care, continued and ongoing improvement in the care of patients with spinal diseases is a major objective. This goal is achieved by providing a spine service that can deal with even the most complicated spine problems. Included in the goals of the surgical training is for the fellow/resident to be exposed to multiple instrumentation systems as well as the whole spectrum of spinal procedures. Emphasis is placed on the interaction with neurology, neurosurgeons and rehabilitation specialists.

Current Position

Surgeon-in-Chief and Medical Director 7/2014 to Present
Korein-Wilson Professor of Orthopaedic Surgery
Hospital for Special Surgery

Chairman and Professor of Orthopaedic Surgery 7/2014 to Present
Weill Cornell Medical College

Administrative duties

2014-Present Surgeon-in-Chief and Medical Director
Korein-Wilson Professor
of Orthopaedic Surgery

2014-Present Chairman and Professor of Orthopaedic Surgery
Weill Cornell Medical College

COMMITTEES

Hospital for Special Surgery
Service Chief's Committee, Chairman (2014-Present)

Hospital for Special Surgery

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Committee on Orthopaedic Appointments and Promotions, Nominations Committee (2014 – Present)

Hospital for Special Surgery, Board Committees
Executive, Governance, Planning, Finance, Audit, Development, Campaign, Research, and Quality Committees (2014-Present)

Weill Cornell Medical College
Clinical Chief's Committee, Executive Council (2014-Present)

Thomas Jefferson University Medical College
Committee on Appointments and Promotions, Nominations Committee (2002-2010)

Thomas Jefferson University Hospital, Orthopaedic Department
Chairman, Advance Planning Committee, Medical Executive Committee, Performance Improvement Committee (1997 – 2004)

Thomas Jefferson University Hospital, Orthopaedic Department
Chairman, Quality Assurance Committee – Chairman (1997-2004)

National Spine Network
Chairman, Network Development Committee

National Spine Network
Outcomes Committee and Executive Committee

Scoliosis Research Society
Program Committee (Chair 2005), Education Committee, Committee on the Aging Spine, Core Curriculum Committee

Cervical Spine Research Society
Chairman, Membership Committee (1998 -2001), Outcomes Committee, Board of Directors

North American Spine Society
Collaborative Education Committee, Program Committee (2002)

Eastern Orthopaedic Association, Inc.
Technical Exhibits Committee

Research:

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My research is primarily focused on conditions affecting the cervical spine. The studies that I am currently involved in are looking to identify early indicators for surgical intervention using novel imaging techniques, understand the underlying intrinsic degenerative and regenerative processes/properties of vertebral discs, compare how different surgical techniques impact patient reported quality of life, and develop interventions to prevent and reduce surgical complications.

IRB (active and inactive)

Do Intraoperative Topical Corticosteroids Aid in the Prevention of Postoperative Dysphagia Following Elective Anterior Cervical Discectomy and Fusion? A Randomized, Controlled, Double Blinded Clinical Trial; IRB 2014-146

New Radiographic Marker of Developmental Cervical Stenosis; IRB 2014-334

Prospective Radiographic and Clinical Evaluation of Surgical Treatment for Cervical Deformity: A Multi-Center Study; Protocol No. 13-133, Co-PI; 8/7/14

Cervical Spondylotic Myelopathy Surgical Trial (CSM-S Trial); Protocol No 2014-126; PI; 7/11/14

Intervertebral Disk Biology in Spine Disorders; Protocol No. 6170; PI; 2/18/14

Cervical Spondylotic Myelopathy Surgical Trial; Protocol No. 5749; PI; 12/12/13

Rare Complications of Cervical Spine Surgery; Protocol No. 3167; Co-PI; 8/1/13
Development of an ICF Core Sets for Spinal Trauma: An Empirical Cross-sectional Multicenter Study; Protocol No. 3129; Co-PI; 7/11/13

Sagittal Vertical Axis (SVA) as a Measurement of Balance in Spinal Deformities and its Use to Reduce Radiation Exposure and Alleviate the Need of Using Long Cassettes for Patient's Follow Up; Protocol No. 3162; Co-PI; 6/20/13

Prospective Radiographic and Clinical Evaluation of Surgical Treatment for Cervical Deformity: A Multi-Center Study; Protocol No. 6307; PI; 6/13/13

Prospective, Randomized, Double-Blind, Placebo-Controlled Study to Compare the Effects of Intravenous versus Oral Acetaminophen on Postoperative Clinical Outcomes after Ambulatory Lumbar Discectomy; Protocol No. 5391; Co-PI; 6/12/13

Clinical Outcomes Database Study: Esophageal Perforations After Anterior Cervical Surgery, Protocol No. 2944; PI; 5/2/13

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A Prospective, Randomized, Multi-Center, Post Approval Clinical Trial Evaluating the Long Term (7-Year) Safety and Effectiveness of the PCM Cervical Disc; Protocol No. 2684; PI; 4/4/13

Pharyngeal Perforation after Anterior Spine Surgery: A Novel Treatment Algorithm. 45 CFR 46.110 (5-retrospective record/chart/database/film review; IDs required); Protocol No. 2938; Co-PI; 4/4/13

Culture Profile of Surgical Site Infections After Topical Vancomycin Powder Use in Instrumented Spine Fusions; Protocol No. 2476; PI; 2/7/13

The Societal and Economic Value of Treatment for Select Musculoskeletal Conditions; Protocol No. 2318; Co-PI; 7/5/12

Prospective radiographic and clinical evaluation of surgical treatment for cervical deformity: a multi-center study; Protocol No. 2605; PI; 6/7/12

Prospective, concurrently controlled, multi-center study to evaluate the safety and effectiveness of the spinal kinetics(TM) M6-C artificial cervical disc compared to anterior cervical disectomy and fusion (ACDF) for the treatment of symptomatic cervical radiculopathy; Protocol No. 2627; PI; 10/25/12

Prospective Evaluation of Surgical and Nonsurgical Treatment of Axis Body Fractures; Protocol No. 2545; Co-PI; 8/23/12

Correlation between Clinical Lumbar Stenosis Symptoms and Imaging Characteristics of the Lumbar Spinal Canal by MRI; Protocol No. 1792, Co-PI; 2/3/11

Addendum to Investigational Plan 1003 version 5.3 IDE protocol G050178: an assessment of P-15 bone putty in anterior cervical fusion with instrumentation; Protocol No. 2118; Co-PI; 3/11/10

Efficacy of Riluzole in Patients with Cervical Spondylotic Myelopathy Undergoing Surgical Treatment, A Randomized Double-Blind Placebo-Controlled, Multi-Center Study; Protocol No. 2263; Co-PI; 2/16/12

An Investigational Device Exemption Feasibility Study to assess the Safety and Effectiveness of Biomet Stimulator for the Treatment of Degenerative Disc Disease; Protocol No. 2778; PI; 1/12/2012

Intervertebral Disk Biology in Spinal Disorders; Protocol No. 1472; PI, 1/22/09

A Retrospective Review of Regional Incidence of Spinal Infection and Timing of Post-OP IV Antibiotics; Protocol No. 2007; Co-PI; 7/16/09

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A Retrospective Chart Review of Cases Done at Thomas Jefferson University: The Failure Rate in Surgical Treatment with Fixation of C1-C2 Fracture; Protocol No. 1293; Co-PI; 1/24/08

Surgical versus Non-operative Treatment of Metastatic Epidural Spinal Cord Compression (MESCC). Quality of Life and Cost-Effectiveness Outcomes; Protocol No. 1247; Co-PI; 2/14/08

An Assessment of P-15 Bone Putty in Anterior Cervical Fusion with Instrumentation Investigational Plan; Protocol No. 1254; Co-PI; 6/7/07

Genetic Basis of Human Paraspinal Ligamentous Ossification Disorders: Ossified Posterior Longitudinal Ligament and Diffuse Idiopathic Skeletal Hyperostosis (OPLL/DISH); Protocol No. 1183; Co-PI; 6/27/06

Comparing Surgical to Conservative Management in the Treatment of Type II Odontoid Fractures Among the Elderly; Protocol No. 1150; Co-PI; 12/14/05

A Prospective Randomization Clinical Investigation of the Cervitech, Inc. Porous Coated Motion Artificial Disc for Stabilization of the Cervical Spine at One Level between C3-C4 and C7-T1; Protocol No. 1032; PI, 2/3/2005

Spine Patient Outcomes Research Trial II (SPORT II); Protocol No. 1132; PI, 10/10/04

J. EXTRAMURAL PROFESSIONAL RESPONSIBILITIES

EDITORIAL BOARDS

Spine – Associate Editor

Jefferson Orthopaedic Journal

Orthopaedic Technology Review

SpineUniverse.com

Allaboutbackpain.com

The Spine Journal

Orthopedics Today

Clinical Orthopaedics and Related Research (CORR) – Editorial Board Member

Deputy Editor

Spinal Deformity Journal

January – 2012

Spine Surgery Today

May- June 2014

BOARD MEMBERSHIP

Strive of Philadelphia	2004-2007
The Philadelphia Zoo	2004-2009

GUEST EDITOR

Cervical Spine Surgery, *Operative Techniques in Orthopaedics*, January 1996

Scoliosis, *Seminars in Spine Surgery*, June 1997

Spinal Instrumentation, *Seminars in Spine Surgery*, December 1997

Lumbar Disc Disease, *Seminars in Spine Surgery*, June 1999

Lumbar Disc Degeneration, *Seminars in Spine Surgery*, June 2004

Special Issue on Disc Replacement, *The Spine Journal*, November/December 2004.

INVITED LECTURES

Differential diagnosis of leg pain. The Spine Study Group 10th Annual Symposium. Palm Desert, CA. September 1995. **CME lecture**

Iatrogenic and post-traumatic cervical deformities. Instructional course lecture. American Academy of Orthopaedic Surgeons Annual Meeting. February 1996. **CME Course**

Debate: Early vs. delayed reduction of cervical spine fracture dislocations: Early reduction. American Academy of Neurological Surgeons Joint Section on Spine and Peripheral Nerves Annual Meeting Debate. Orlando, FL. February 1996. **CME**

Anatomy, deformity constructs, techniques in spinal fixation course. Memphis, TN. October 1996.

Cervical deformities: Iatrogenic and post-traumatic deformity. Instructional course lecture. American Academy of Orthopaedic Surgeons. Atlanta, GA, San Francisco, CA. February 1997. **CME**

The future of spinal surgery. Sofamor Danek Think Tank. Amelia Island, FL. April 1997.

Surgical management of the spine. Beaver College. Glenside, PA. April 1997.

Spine surgery evaluation program: Does it really make a difference? Managed Orthopaedic Care Symposium. Washington, DC. May 1997.

Black disc disease: Surgical indications, approaches and results; Imaging: Degenerative and trauma. What to Order; Breakout: Cervical Degenerative. The Spine Study Group 11th Symposium. Palm Beach, FL. September 1997. **CME**

Surgical Treatment Consideration – Fusion Options for LBP: ALIF vs. PLIF vs. Posterior vs. 360°; Managed Care Effects on Treatment of Back Patients. AAOS Summer Institute, Washington, DC. September 1997. **CME**

Cervical Deformities: Iatrogenic and Post-traumatic Deformities; Cervical Radiculopathy and Myelopathy Outcomes, Assessment, How to do it and what are the Benefits. Instructional Course Lectures, American Academy of Orthopaedic Surgeons. March 1998, **CME**

Degenerative disc disease. American Academy of Orthopaedic Surgeons Annual Meeting Symposium. March 1998. **CME**

Cervical Trauma. American Academy of Orthopaedic Surgeons Comprehensive Review Course. Philadelphia, PA. September 1998.

Cervical Spine Research Society: Failure of Long Anterior Constructs in the Cervical Spine: Complications Symposium. Atlanta, GA. December 1998. **CME**

11th Annual Ski with the Spine Center, Whistler, British Columbia: Outcome Analysis in Spinal Disorders, Cervical Radiculopathy, Cervical/Lumbar Fixation Technique (Hands-on Laboratory). January 1999. **CME**

Complications in Cervical Spine Surgery. Advanced Spine Symposium. Cancun, Mexico. January 7-9, 1999.

Management of Neck and Arm Pain. Rothman Institute Primary Care Course. Philadelphia, PA. January 16, 1999.

Instructional Course Lectures: Measuring Outcomes in Cervical Radiculopathy and Myelopathy; Measuring Outcomes in Lumbar Degenerative Disease; Post-laminectomy Kyphosis—Cervical Spine. Anaheim, CA. American Academy of Orthopaedic Surgeons. February 1999. **CME**

Appropriate Decision-making in Surgery for Degenerative Lumbar Spine Disorders. Interbody Fusion Course – Course Co-Chairman. Philadelphia, PA. April 16-17, 1999.

Adult Scoliosis; Cervical Deformities. ISOLA Study Group Meeting. Charlotte, NC. May 14-15, 1999.

Cervical Trauma: American Academy of Orthopaedic Surgeons Comprehensive Review Course. San Francisco, CA. November 13, 1999. **CME**

Options for Plating and Bone Grafting in Anterior Cervical Spine Surgery; Current Concepts for the Management of Fractures and Tumors of the Thoracolumbar Spine. Millennium Spine Course. New York, NY. December 10, 1999.

2000 Cervical Deformities. Cervical Trauma Symposium. Big Time Spine. Keystone, CO. January 30-February 2, 2000.

Outcome Measurement in Spine Surgery: Impact of our Procedures. Spine Study Group. Naples, FL. February 3-6, 2000. **CME**

Interbody Fusion Techniques: Posterior and Transforaminal Lumbar Interbody Fusion. AO-ASIF Nurses Course. Philadelphia, PA. February 12, 2000.

Interbody Fusion: Why, When, How? DePuy Interbody Fusion Course. Phoenix, AZ. March 11, 2000.

Instructional Course Lectures: Pathophysiology of Cervical Radiculopathy and Myelopathy; Complications of Bone Dowels and Cages. American Academy of Orthopaedic Surgeons Annual Meeting. Orlando, FL. March 15, 2000. **CME**

Debate: Central Cord Syndrome – Argument for Delayed Surgery. Federation of Spine Societies Meeting. Orlando, FL. **CME April 1, 2000.**

Pathophysiology of Cervical Degenerative Disorders. Philadelphia Pain Society. Philadelphia, PA. April 7, 2000.

Complex problems at the cervicothoracic junctions: Cases. Medtronic Sofamor Danek Think-Tank. Amelia Island, FL. May 20, 2000.

Acquired isthmic spondylolisthesis: Surgical treatment in children and adults; Degenerative spondylolisthesis: Etiology and pathogenesis. Spine Education Summit. Chicago, IL. September 8, 2000.

Anterior cervical fusion: Current instrumentation and bone graft options; Interbody fusion: What, when, how?; Complications of cages and dowels; Thoracolumbar tumors and trauma; Thoracolumbar fractures. Spine Education Summit. Chicago, IL. September 9, 2000.

Options in Anterior Cervical Surgery; Management of Thoracolumbar Fractures; Lumbar Interbody Fusion – Cables or Not. Big Time Spine. Chicago, IL. September 9, 2000.

Nonoperative Management of Patients with Low-back pain: Eastern Orthopaedic Association Annual Meeting. Symposium on low-back pain. Orlando, FL. September 13, 2000. **CME**

Complex spinal case presentations; Business practice in spine in the new millennium. Spine + Science + Management. New Orleans, LA. November 17-18, 2000.

2001 The Evaluation and Management of Adult Scoliosis: Hershey Scoliosis Symposium. Hershey, PA. June 2, 2001.

Course Chairman: Degenerative Lumbar Spinal Techniques Workshop. Durham, NC. October 20, 2001.

Stand-alone Devices – Panel Discussion: Degenerative Lumbar Spinal Techniques Workshop. Durham, NC. October 20, 2001.

Complications of Cages and Dowels: Degenerative Lumbar Spinal Techniques Workshop. Durham, NC. October 20, 2001.

TLIF – Why, When & How: Degenerative Lumbar Spinal Techniques Workshop. Durham, NC. October 20, 2001.

Instructional Course Lecture: Do You Need to Fuse and, If So, Is There a Difference Between Allograft and Autograft for One Level Anterior Cervical Fusion? Cervical Spine Research Society. Instructional Course, Monterey, CA. December 1, 2001 **CME**

Cervical Spine: AAOS Review and Update for Orthopaedic Surgeons. San Francisco, CA. December 2, 2001. **CME**

Spine Trauma: AAOS Review and Update for Orthopaedic Surgeons. San Francisco, CA. December 2, 2001. **CME**

2002 Lumbar Spinal Disc Degeneration: 15th Annual Meeting of the American Association of Orthopaedic Surgeons. Dallas, TX. February 14, 2002. **CME**

Osteoporotic Burst Fractures: Combined Approaches: 15th Annual American Association of Orthopaedic Surgeons' Federation of Spine Associations. Dallas, TX.. February 16, 2002. **CME**

ALIF vs. PLIF vs. TLIF: The Case for TLIF: Controversies in Lumbar Spine Surgery Symposium – Course Director. Newport Beach, CA. February 22, 2002.

Carbon Fiber Cages: The Radiological Answer?: Controversies in Lumbar Spine Surgery Symposium – Course Director. Newport Beach, CA. February 22, 2002.

TLIF Approach for Spondylolisthesis: Controversies in Lumbar Spine Surgery Symposium – Course Director. Newport Beach, CA. February 23, 2002.

Disc Degeneration – Myth or Reality: Controversies in Lumbar Spine Surgery Symposium – Course Director. Newport Beach, CA. February 23, 2002.

Interbody Complications & Revisions (Section Moderator): Controversies in Lumbar Spine Surgery Symposium – Course Director. Newport Beach, CA. February 23, 2002.

Welcoming Session (Moderator). Spine Education Summit. Vail, CO. March 11, 2002.

Post-Laminectomy Cervical Deformity. Spine Education Summit. Vail, CO. March 11, 2002.

Spondylolisthesis (Panel Discussion). Spine Education Summit. Vail, CO. March 11, 2002.

Threaded Cages: Revision Strategies. Spine Education Summit. Vail, CO. March 12, 2002.

Fusion Cages (Moderator). Spine Education Summit. Vail, CO. March 12, 2002.

Minimally Invasive/Interbody Workshop. Spine Study Group Annual Meeting. Palm Beach, FL. April 18 – 21, 2002. **CME**

Lumbar. Spine Study Group Annual Meeting. Palm Beach, FL. April 18 – 21, 2002. **CME**

Course Chairman: Spine Study Group Annual Meeting. Palm Beach, FL. April 18 – 21, 2002. **CME**

Use of Monarch Instrumentation in Degenerative Lumbar Disease, Austrian Spine Meeting, Vienna, Austria, May 10-11, 2002

Moderator, Disk Degeneration, International Society for Study of the Lumbar Spine, Cleveland, OH, May 17, 2002 **CME**

Panel Discussion: Current Issues in Lumbar Cage Technology. 9th International Meeting on Advanced Spine Techniques. Montreux, Switzerland. May 23 – 25, 2002. **CME**

Posterior Lumbar Interbody Fusion/Current Indications and Techniques (Chairman). 9th International Meeting on Advanced Spine Techniques. Montreux, Switzerland. May 23 – 25, 2002. **CME**

Alternative Methods for Pedicle Screws in Complex Procedures (Including Sacro-Pelvic Fixation Options). 9th International Meeting on Advanced Spine Techniques. Montreux, Switzerland. May 23 – 25, 2002. **CME**

Introduction of a 3D Spinal Instrumentation System. J& J China, Beijing and Shanghai China July 21- 26, 2002

Lumbar Disc Replacement Overview, Thomas Jefferson Fellows Symposium, Lake Placid, NY August 1-3, 2002

Molecular Basis of Disc Degeneration: Emerging Technologies in Spine Surgery. Washington, D.C. October 17 – 19, 2002. **CME**

Clinical Indications and Experience with Electrical Bone Stimulation: Emerging Technologies in Spine Surgery. Washington, D.C. October 17 – 19, 2002. **CME**

Interbody Fusion, Why When and How, Israeli Spine Symposium, Tele lecture to Tel Aviv, Israel October 23, 2002

Future Trends In Lumbar Disc Degeneration, New Jersey Neuroscience Symposium, November 16, 2002.

Cervical Spine Injuries in Sports, Core Curriculum Lecture, Harvard Combined Orthopaedic Program, November 20, 2002.

Spine Trauma Comprehensive Review, Core Curriculum Lecture, Harvard Combined Orthopaedic Program, November 20, 2002.

Review of Interbody Fusion Techniques, Core Curriculum Lecture, Harvard Combined Orthopaedic Program, November 20, 2002.

2003 Options for Preserving Motion in the Lumbar Spine. Grand Rounds. Hahnemann Hospital, Jan 8, 2003

Osteoporotic Vertebral Compression Fractures. American Academy of Orthopaedic Surgeons 70th Annual Meeting. New Orleans, LA. February 5 – 9, 2003. **CME**

Failed Cages (Moderator). Spine Education Summit. Vail, CO. March 9 – 12, 2003.

Lumbar Spine (Moderator). Spine Education Summit. Vail, CO. March 9 – 12, 2003.

Options for Intervertebral Disc Replacement. Spine Education Summit. Vail, CO. March 9 – 12, 2003.

Evaluation and Treatment of Failed Cages. Spine Education Summit. Vail, CO. March 9 – 12, 2003.

Cervical Myelopathy, Spondylosis (Moderator). Spine Education Summit. Vail, CO. March 9 – 12, 2003.

Post-Laminectomy Cervical Kyphosis. Spine Education Summit. Vail, CO. March 9 – 12, 2003.

Course Chairman: Controversies in Lumbar Spinal Symposium II. Las Vegas, NV. April 10 – 12, 2003.

The Case for TLIF. Controversies in Lumbar Spinal Symposium II. Las Vegas, NV. April 10 – 12, 2003.

Panel Debate: ALIF vs. PLIF vs. TLIF. Controversies in Lumbar Spinal Symposium II. Las Vegas, NV. April 10 – 12, 2003.

Carbon Fiber Cages: The Radiological Answer? Controversies in Lumbar Spinal Symposium II. Las Vegas, NV. April 10 – 12, 2003.

Correction of Degenerative Scoliosis w/Monarch Deformity System (Workshop Leader). Controversies in Lumbar Spinal Symposium II. Las Vegas, NV. April 10 – 12, 2003.

Far Lateral PLIF for Isthmic Spondylolisthesis (Workshop Leader). Controversies in Lumbar Spinal Symposium II. Las Vegas, NV. April 10 – 12, 2003.

Review of Artificial Disc Prosthesis Technologies. Controversies in Lumbar Spinal Symposium II. Las Vegas, NV. April 10 – 12, 2003.

Course Chairman: The Spine Study Group 14th Symposium. Palm Beach, FL. April 30 – May 4, 2003. **CME Course**

Disc Degeneration (Moderator). The Spine Study Group 14th Symposium. Palm Beach, FL. April 30 – May 4, 2003. **CME**

Novel Therapies for Disc Degeneration. The Spine Study Group 14th Symposium. Palm Beach, FL. April 30 – May 4, 2003. **CME**

Cervical Kyphosis Including Post-Laminectomy and Ankylosing Spondylitis. The Spine Study Group 14th Symposium. Palm Beach, FL. April 30 – May 4, 2003. **CME**

Deformity Case Presentation to Panel. The Spine Study Group 14th Symposium. Palm Beach, FL. April 30 – May 4, 2003. **CME**

Anterior Cervical Decompression and Stabilization. Advanced Techniques in Spinal Decompression and Fixation. St. Louis, MO. May 8 – 10, 2003. **CME**

Course Chairman: Depuy Fellows Spine Symposium, Boston, Mass June 19-22, 2003

Cervicothoracic Fixation, International Meeting on Advanced Spinal Techniques, Rome, Italy July 9-12, 2003 **CME Meeting**

Interbody Fusion Techniques, AANS Advanced Spinal Techniques Course, Memphis, TN. July 24-26, 2003 **CME**

Sustaining the Modern Healthcare System, Jefferson Spinal Fellows Symposium, Lake Placid, NY July 31-August 3, 2004

Traction Techniques for Cervical Trauma, World Spine II, Chicago, IL, August 10, 2003, **CME**

Fusion Techniques for Lumbar Disc Degeneration, World Spine II, August 10, 2004

Course Chairman: Case Controversies in Lumbar Degenerative Disease, Chatam, Massachusetts, Sept 5-7, 2003

Moderator: Adolescent Idiopathic Scoliosis, Scoliosis Research Society, Quebec City, Quebec Canada September 11-13, 2003 **CME**

Tranforaminal Lumbar Interbody Fusion for Degenerative Lumbar Disease (Debate), Yale / Synthes Spine Course, Providence, RI September 20-21, 2003

Pitfalls in Cervical Spine Trauma, University of Virginia Grand Rounds, Charlottesville, VA, October 10, 2003

Todd J. Albert, MD

Moderator : Controversies in Lumbar Spine Surgery, North American Spine Society, San Diego, CA October 23, 2003 **CME**

Moderator: Disc Biology North American Spine Society, San Diego, CA October 23, 2003 **CME**

Far Lateral Approach to the Lumbar Spine, AAOS Practical Techniques Course, Chicago IL, November 13-14, 2003, **CME**

Alternatives for Lumbar Disc Replacement, TLIF Technique, Depuy Spine Summit, Carlsbad, CA, November 20-23, 2003

2004

Sustaining Our Present Healthcare Delivery System, Current Techniques in Spinal Surgery, Ski with the Spine Center, Whistler, British Columbia, CA January 18-24, 2004 **CME**

Nonoperative Treatment of Osteoporosis, Ski With the Spine Center, Whistler, British Columbia, CA, January 18-24, 2004 **CME**

TLIF Techniques, Cedars Sinai Spine Course, La Quinta, CA, Feb. 5-7, 2004, **CME**

Use of Resorbables in Cervical Surgery, Cedars Sinai Spine Course, La Quinta, CA, Feb 5-7, 2004, **CME**

Cervical Spine Deformities, Yale University Grand Rounds, New Haven, CT, Feb 13, 2004

Pitfalls in Cervical Spine Trauma, Big Time Spine, Vail CO, Feb 20-22, 2004

Surgery for Lumbar Spinal Stenosis, Instructional Course Lecture, American Academy of Orthopaedic Surgeons Annual Meeting, San Francisco, CA, March 10-14, 2004 **CME**

Moderator: Scoliosis Research Society Symposium on Motion Sparing, Federation of Spine Societies Annual Meeting, San Francisco, CA. March 13, 2004 **CME**

Adjacent Segment Degeneration in the Cervical Spine: The Argument for Disc Replacement, Cervical Spine Research Society Symposium, Federation of Spine Societies Annual Meeting, San Francisco, CA. March 13, 2004 **CME**

Anterior Cervical Plating, New England Baptist Cervical Spine Course, Boston, MA, April 30-May 1, **CME**

Todd J. Albert, MD

C1-C2 Fixation Techniques, New England Baptist Cervical Spine Course, Boston, MA, April 30- May 1, **CME**

Cervico-Thoracic Osteotomy Techniques, New England Baptist Cervical Spine Course, Boston, MA, April 30- May 1, **CME**

Course Chairman: Depuy Fellows' Spinal Techniques Cadaver Course, Baltimore, MD May 13-15, 2004

Thoracic and Lumbar Pedicle Anatomy, Depuy Fellows' Spinal Techniques Cadaver Course, Baltimore, MD May 13-15, 2004

Anterior Cervical Discectomy and Corpectomy Approach and Complications, Depuy Fellows' Spinal Techniques Cadaver Course, Baltimore, MD May 13-15, 2004

Course Chairman: Spine Study Group Emerging Technologies in Spinal Surgery, Palm Beach, FL, May 20-23, 2004 **CME**

Thoracic Pedicle Screws: Standard of Care or Only for the Bold, Spine Study Group Emerging Technologies in Spinal Surgery, Palm Beach, FL, May 20-23, 2004 **CME**

Moderator: Spinal Deformities, Case Presentations in Deformity, Spine Study Group Emerging Technologies in Spinal Surgery, Palm Beach, FL, May 20-23, 2004 **CME**

Moderator: Disc Biology Special Emphasis Poster Session; International Society for the Study of the Lumbar Spine, Porto, Portugal, June 3, 2004 **CME**

Course Chairman: Depuy Spine Fellows Symposium. Boston, Mass, June 17-19,2004.

Cervical Spine Research Society Ninth Instructional Course, Boston, Massachusetts, December 11-12, 2004. **CME**

1) Post-laminectomy Kyphosis Compression Myelopathy

2) Alternatives to Fusion: Artificial Cervical Disks

2005

Fourth Annual Current Concepts in Spinal Disorders – Cedars-Sinai Medical Center Institute for Spinal Disorders, Las Vegas, Nevada February 11-12, 2005. Pre-sacral Approaches, Disc Regeneration. **CME**.

Instructional Course Lecture: AAOS Annual Meeting – Washington, DC – February 25, 2005. Spinal Stenosis Non-Operative Treatment.

Moderator: Disc Biology Special Emphasis Poster Session; International Society for the Study of the Lumbar Spine, New York, New York May 12, 2005 **CME**

Course Chairman: Depuy Fellows' Spinal Techniques Cadaver Course, St Louis, MO May 20-22, 2005

Thoracic and Lumbar Pedicle Anatomy, Depuy Fellows' Spinal Techniques Cadaver Course, St. Louis, MO May 20-22, 2005

Anterior Cervical Discectomy and Corpectomy Approach and Complications, Depuy Fellows' Spinal Techniques Cadaver Course, St Louis, MO May 20-22, 2005

Course Chairman: Depuy Spine Fellows Symposium. Boston, Mass, June 2-4, 2005

Debate: Defending Cervical Disk Replacement, Spine Study Group Emerging Technologies in Spinal Surgery, Palm Beach, FL, June 8-11, 2005 **CME**

Course Chairman: DePuy Spine – Practical Anatomy Workshop, St. Louis, MO. May 19-21, 2005. Lecture: “Pedicle Anatomy of the Lumbar & Thoracic Spine” and “Anterior Cervical Anatomy & Avoidance of Surgical Complications.”

Emerging Technologies in Spine Surgery – September 15-17, 2005 – Washington, DC. “Disc Biology Degeneration & Natural Repair Potential,” Cervical: Fusion versus Disc Replacement (Debate) “The Case for Fusion,” Video Presentation with Reaction Panel, “Artificial Cervical Disc Replacement.”

Disorders of the Spine Review Course – September 24, 2005 – New York City. “Spinal Trauma: Cervical and Thoracolumbar.”

Spine Research Symposium – September 27, 2005 – Drexel University, Philadelphia, Pennsylvania. “Molecular Biology of the Intervertebral Disk-Toward Stem Cell Regeneration.”

AOSpine Masters Conclave – November 4-6, 2005 – Agra, India. “Lumbar Disc Replacement,” “TLIF Technique,” “Disc Degeneration and Regeneration.”

2006 Instructional Course Lectures:

1. Biologics in Spinal Fusion
2. Cervical Radiculopathy and Myelopathy (Posterior Approaches)
3. Lumbar Spinal Stenosis (Surgical Technique)

Symposium: Emerging Technologies in Cervical Spine Surgery: Cervical Disc Replacement.

Beaver Creek – January 13-16, 2006: Nucleus Replacement; Cervical Fusion over Disc Replacement.

Mayo Clinic – January 17-20, 2006: Cervical Deformity; Cervical Trauma.

Spine Study Group – May 18-20, 2006: GDF5 in Spinal Fusion.

IMAST – Athens, Greece July 12-15, 2006: Healos MP52 in Lumbar Spinal Fusion: An FDS Pilot Study.

SRS Instructional Pre-course: September 13, 2006: Cervicothoracic Junction Trauma.

NASS Pre-course: September 26, 2006:

1. Consensus Leaders and New Technology
2. Minimally Invasive Options after Anterior Lumbar Postoperative Infection

Plenary Symposia: September 27, 2006:

1. Spine Patient Outcomes Research Trial – A Site PT's Perspective
2. Complications Symposium: Treatment of Postoperative Infection

Cervical Spine Research Society Instructional Course

1. Airway Problems after Cervical Corpectomy

2007 Nice Spine Course Current Concepts: September 9-11, 2007

1. Advances in Aging Spine - Cervical Myelopathy & Indications – Anterior or Posterior Surgery – September 9, 2007.
2. Stenosis: 1 Case Presentation: Diagnostic/Vole; Indication/Vole – September 9, 2007.
3. Cadaver Workshop – Posterior Surgery – Director – September 9, 2007.
4. Stabilization: Cervical Stabilization – Simple and Complex Revisions – September 10, 2007.

2008 Alumni Meeting University of Wisconsin Spine Fellowship - Steamboat Springs, Colorado: February 28 through March 2, 2008.

University of Toronto SpineFest Symposium – Toronto, Canada: “The Enigma of Lumbar Black Disc Disease – Are Humans Meant to Walk Upright?”
April 18, 2008.

Guest of Japanese Society for Spinal Research – Tokyo, Japan – 37th Annual Meeting of the Japanese Society for Spine Surgery and Related Research April 25, 2008:

1. “The Spectrum of Degenerative Disc Disease from Molecular Biology to Surgery.”

Spine Study Group – Palm Beach, Florida – April 8, 2008: “Best Practices in Spine Surgery”
Cervical Spine – Laminectomy and Fusion.

The 52nd Annual Edward T. Smith Orthopaedic Lectureship: “Controversies in the Management of Patients with Spinal Disorders,” Session 2: Cervical Spondylotic Myelopathy, “Indications for laminectomy +/- fusion, laminoplasty, corpectomy, multilevel ACDF, 360.” November 7-8, 2008. **CME lecture**

Scoliosis Research Society 43rd Meeting and Course, “Osteobiologics in Clinical Practice: The Lumbar Degenerative Experience: Posterolateral and posterior interbody grafting options.” Sept. 10-13, 2008. **CME lecture**

2009 American Academy of Orthopaedic Surgeons – Federation of Spine Associations, “Two-Level Cervical Disc Herniation: CSRS Con. February 28, 2009. **CME lecture.**

American Academy of Orthopaedic Surgeons – Scoliosis Research Society, “Surgery is Indicated for Proven Progression in a Middle-aged Scoliosis Patient with Minimal to No Symptoms.” February 28, 2009. **CME lecture.**

American Academy of Orthopaedic Surgeons – Cervical Spine Research Society, “C2 Breast Metastasis with Neck Pain Surgery and XRT vs XRT along – Surgery and XRT.” February 28, 2009. **CME lecture.**

American Academy of Orthopaedic Surgeons – Lectures & Debates:
ICL 268 - “Avoiding Complications.”

Debate: “Favoring Fusion over Disc Replacement”
“Against Surgery in Adult Idiopathic Scoliosis”
“Surgery and XRT for C2 Breast Metastasis”

ICL 205 – “Surgical Treatment of Spinal Stenosis”
Malpractice Symposium – Moderator – Introduction
San Francisco – February, 2009

IMAST

ICL: “Spinal Trauma Initial Care & Pharmacologic Options.”

ICL: “Cervical Pathologies – Work Up and Treatment of Lesions of the Cervical Spine”
Vienna, Austria - July 16-17, 2009

Scoliosis Research Society

“How Lumbar Degenerative Cases Turn into Deformity Problems.”

San Antonio, Texas – September 23, 2009

AAOS Top Orthopaedic Controversies

“How to Treat Herniated Disc and Stenosis”

CME Lecture

Spine Moderator

New York City – September 26, 2009

Delaware Society of Orthopaedic Surgeons – “Evidence Based Medicine: What have we learned from the SPORT trials?” October 10, 2009. **CME Lecture.**

Innovative Techniques in Spine Surgery – Spine Technology & Education Group.

“Cell-Based Therapy for Disc Regeneration” on October 15, 2009. “Discover

Cervical TDR Roundtable on October 16, 2009. “Commercializing

Novel Technology – Your Innovative Idea” on October 17, 2009. Scottsdale, AZ.

North American Spine Society – November 10, 2009. “Fixation Options in the Osteoporotic

Spine.” November 11, 2009 – “Decision-Making for Significant Lumbar Deformity.

November 11, 2009 – “Stem Cell Therapy for Disc Regeneration: Pre-Clinical Studies and It

Will Be Successful in Clinical Practice.” November 12, 2009 – Moderator – Cervical Spine.

CME Lecture.

Cervical Spine Research Society – European Section Guest Speaker – “Surgical Treatment of the Cervical Spine in Ankylosing Spondylitis.”

Uppsala, Sweden – June 10-13, 2009.

CSRS

Presidential Address on Leadership & Mentorship

Salt Lake City, Utah - December 2009

2010

Mayo Clinic International Spine Symposium – January 31 – February 4, 2010

February 2, 2010:

“Defining Value in Spine Surgery”

“Overview of Cervical Arthroplasty”

“Posterior Dynamic Stabilization: The Hope, The Facts”

February 3, 2010:

“A Paradigm for Evaluating Technology in Spine Surgery”

John McCulloch MD, FRCS(C) Memorial Winter Conference 2010
“Evidence Based Medicine: What have we learned from the SPORT Trials?”
Presbyterian/St. Luke’s Medical Center
Denver, CO
February 25, 2010

Denver Spine Symposium – February 27, 2010
“Value: The case for cervical TDR & ACDF

CSRS – 1st Annual Meeting
“Cervical Disc Replacement – What’s Available and What’s the Value?”
Kobe City, Japan
April 24.25, 2010

Cleveland Clinic
The Spine Study Group
“I Don’t Want To Do Lumbar TDR – Do I Have To?”
Palm Beach, Florida
May 13, 2010

Southern Brazilian Spinal Society
“Cervical Disc Herniation: The Gold Standard:
“Adjacent Segment Degeneration”
“Odontoid Fractures in the Elderly”
“Cervical Deformities”
Regional Meeting – Belo Horizonte, Brazil
May 20-22, 2010

Innovative Techniques in Spine Surgery
“How Do We Measure and Define Success in Spine Surgery?”
Moderator: “Fusion Biologics Update”
Cervical TDR – “Discover”
“Commercializing Novel Technology – Your Innovative Idea” – Introduction
7th Annual Innovative Techniques in Spine Surgery
Los Cabos, Mexico – June 17-19, 2010

Elevating Best Practice in Spine – A Conference Addressing:
Advanced Surgical Techniques
“Salvage for Failed Cervical Spine Reconstruction”
SRS Annual Meeting Pre-Course
Kyoto, Japan – September 21, 2010 (CME)

“Posterior Cervical Approaches for Radiculopathy & Myelopathy”

September 25, 2010 – (Japanese CME)

“Electing Best Practices” – Osaka, Japan

September 25, 2010

Keynote Speech – “Adjacent Segment Disease.”

Spine Masters: Controversies in Cervical Spine

Xian, China

October 30, 2010

Moderated Traumatic Cervical Spine Research Society Annual Meeting

(CME) – Charlotte, North Carolina.

Moderated – “Traumatic Trauma.”

December, 2010

2011

American Academy of Orthopaedic Surgeons Annual Meeting

1. ICL #231 - “Avoiding and Managing Complications in Routine Lumbar Spine Surgery”

San Diego, CA – February, 2011.

2. ICL #5SK - “Advance Surgical Techniques for Sagittal Plane Spinal Deformity”

San Diego, CA – February 2011.

3. Symposium – “Measuring Value in Orthopaedics: What a Clinician Needs to Know (Y)” – Moderator: **Todd J. Albert, M.D.**

San Diego, CA - February 2011.

Program Co-Chair – Spine Technology Education Group Annual Meeting –

Cabo San Lucas:

“A Time for Leadership

“Discover Update”

Cabo San Lucas

June 23-26, 2011

Spine Fellows Live Course.

1. “Minimally Invasive Spine Surgery – Marketing vs. Value”

November 18, 2011.

2. “Orthopaedic Practice Trends: What will the Future Hold?”

November 20, 2011.

Spine Fellows Live Course – The Ritz Carlton, South Beach, Miami, Florida

November 18-20, 2011.

2012

“Evaluating/Managing Failed Cervical Spine Surgery”

The Surgical Management of Spinal Disorders

Beaver Creek, CO

January 15, 2012 - **CME**

“Measuring Value in Spine Surgery – Why, When, How?”

The Surgical Management of Spinal Disorders

Beaver Creek, CO

January 16, 2012 – **CME**

“Loss of Spinal Cord Signals During Adult Scolio Correction – Decision Making Process”

The Surgical Management of Spinal Disorders

Beaver Creek, CO

January 16, 2012 – **CME**

AAOS 2012 Annual Meeting – San Francisco, CA – February 7-11, 2012:

Spine Review Course – Updates on cervical degenerative spine surgery; thoracic and lumbar degenerative spine surgery; spinal trauma surgery and adult spine deformity surgery, February 7, 2012

AAOS 2012 Annual Meeting – San Francisco, CA – February 8, 2012:

Advanced Surgical Techniques for Sagittal Plane Spinal Deformity

February 8, 2012.

AAOS 2012 Annual Meeting – San Francisco, CA – February 10, 2012.

Orthopaedic Review Course – Degenerative Spine.

February 10, 2012.

AAOS 2012 Annual Meeting – San Francisco, CA – February 10, 2012.

Symposium – “My Worst Complication in Spinal Surgery: Evaluation, Management and Outcomes (Z).

Moderator

February 10, 2012.

AAOS 2012 Annual Meeting – San Francisco, CA – February 10, 2012:
“Adult Consequences of Pediatric Orthopedic Conditions.”
February 10, 2012.

University of Virginia Alumni Meeting – Charlottesville, Virginia – April 28-29, 2012.
“The New Healthcare Paradigm: Measuring Value for our Interventions – A Time for Leadership.” April 28, 2012.

Spinal Surgery Complications III Course – Buenos Aires, Argentina.
“Cervical Myelopathy in Adult Young Patient. - Surgical Solution. Why?”
“Multilevel Cervical Stenosis in Straight Spine – Anterior Approach.”
“Far Lateral Disk Herniation With Radiculopathy – Disk Replacement.”
“TDR Indications – Technique – Results.”
“Cervical Kyphosis – Osteotomy/surgical Technique.”
“Interbody Lumbar Fusion (LIF) – TLIF Tips and Tricks Experience.”
“Sports Outcomes Why When How?”
“Postoperative Infections.”
“My Worst Case”
June 8-11, 2012

The Spine Technology & Educational Group Organization
9th Annual Symposium
State of Spine Surgery: A Think Tank
Debate: Session I – Pro: BMP is Safe and Effective for Lumbar Fusion
Complications: “My Worst Cervical Complications.”
Value – Moderator: “Defining Value in Medicine – Why It Matters.”
The Cervical Disc: “The Promise: Discover”
Carlsbad, California – June 21-23, 2012

Israel Spine Society/SRS Combined Course
Overview of Adult Deformity – An Adult is Not Just An Old Child
Primary Cervical Deformity
Tel Aviv, Israel – October 17-20, 2012

The International Congress of Chinese Orthopaedic Association
Revision Cervical Spine Surgery
Beijing, China - November 15-18, 2012

2013

The Surgical Management of Spinal Disorders

Complications I – Moderator

“What My Grey Hairs Have Taught Me – Strategies to Avoid Litigation” – CME

“Prevention and Management of Cervical Adjacent Segment Disease” – CME

“Principles in the Treatment of Cervical Deformity” - CME

“What Has the SPORT Trial Taught Us Regarding Stenosis and HNP’s?” – CME

“Cervical Complication” – CME

22ND Annual Dr. Tom Lowe Spine Symposium

The Surgical Management of Spinal Disorders

Beaver Creek, CO – January 18-21, 2013

ACSR 2013 Research Meeting

Debate: The Timing of Decompression for Central Cord Syndrome in Spondylotic Spine Without Fracture.

“Give the patient a ‘cool down’ period and then operate electively. This isn’t a fracture.”

Spine Study Group – ACSR Meeting

San Diego, California – February 15-16, 2013.

Complex Cervical Spine Symposium

Session II: Cervical Spine Reconstruction

“Reconstruction of the Post-Surgical Spine”

Hospital for Special Surgery

New York, New York – May 31, 2013.

“Laminectomy and Fusion Is The Best Treatment for Multi-Level Cervical Myelopathy in Straight Spine” - July 11, 2013.

“Physician Industry Collaboration Has Led to Improvements in Spinal Surgery” – July 11, 2013.

“Ethical Dilemmas In Spinal Surgery” – July 12, 2013

“My Worst Cervical Complications – What We Can Learn” – July 13, 2013

20th Annual IMAST Meeting

Vancouver, British Columbia – 2013

“The Rothman Institute: A Business Strategy for the New Healthcare Environment”

13th Annual Thomas Jefferson Spine Fellows Alumni Symposium

Newport, Rhode Island

July 19-20, 2013

COA (Chinese Orthopaedic Association) – Worldwide Course

Adult Spinal Deformities – Course Director

“Cervical Deformity”

“Osteotomies – Case Based Discussion”

Beijing, China

November 7, 2013

COA/CSRS

“Revision Cervical Spine Surgery”

Beijing, China

November, 2013

The 33rd Congress – The Hong Kong Orthopaedic Association

“Measuring Value in Spinal and Orthopaedic Surgery”

“Management of Failed Cervical Spine Surgery”

“Controversies in Central Cord Syndrome”

November 23-24, 2013

2014 National University Health System - Singapore

Inaugural Pesi B. Chacha Lecturship

“Controversy in the Management of Central Cord Syndrome”

“Current Treatment Options for Spinal Stenosis”

“Principles of Treatment in Cervical Deformity”

“Leadership and Mentorship in the 21st Century”

Singapore

January 7-10, 2014

Spine: Base to Summit

“What Have We Learned? Treatments 10 Years Ago Versus Today – Cervical Deformity”

“Cervical Myelopathy: The Concepts for Successful Surgical Management: How to Choose the Approach, Levels and Stabilization Options”

Course Moderator:

“Fireside Chats: Interactive Case Discussions Lumbar Degenerative”

“Crossfire: How and Why I Do It”

Beaver Creek

January 17-20, 2014

AAOS 2014 Annual Meeting

Spine Review Course – “Cervical Degeneration” and “Trauma”

“Maximizing Your Practice’s Potential in the New Healthcare Environment”

“Adult Consequences of Pediatric Orthopedic Conditions”

“Orthopaedic Review course”

New Orleans, LA

March 10-15, 2014

Todd J. Albert, MD

“ACDF for Single level radiculopathy.”

Current Surgical Strategies for Cervical Radiculopathy: A Case-Based Webinar

August 26, 2014 – CME

2015

Broadwater, LLC - Base to Summit Meeting

“When can decompression alone or limited spinal fusion be performed in adult spinal deformity?”

“Progressive deformity Patient aged 41-60 years”

“Three viewpoints: Cervical degeneration – how I think through the issues”

Beaver Creek, Colorado

January 16-19, 2015

Debate: Cervical Stenosis and Cord Compression with T2 Signal Change and Minimal

Symptoms: Operate or follow?

IMAST, Kuala Lumpur, Malaysia

July 8, 2015 – CME

Debate: SI Joint Arthritis is a Common Entity Requiring Surgical Intervention

IMAST, Kuala Lumpur, Malaysia

July 10, 2015 - CME

Cervical Spine Trauma, Moderator

IMAST, Kuala Lumpur, Malaysia

July 9, 2015 – CME

Emerging Technologies in Spine Surgery, Moderator

IMAST, Kuala Lumpur, Malaysia

July 11, 2015 – CME

Clinical Orthopaedic Society, Symposium

Healthcare and Hospital Trends, Current and Future Trends

New York, NY

September 25, 2015

K. **BIBLIOGRAPHY**

PUBLICATIONS

PEER-REVIEWED

1. Dempsey CW, **Albert TJ**, Schlein AE: Changed turnover of monoamines in limbic nuclei in response to stimulation and lesion of the anterior vermal cortex of the cerebellum: Studies in cat and rat. *Int J Neurol* 1984; 18:94-104.
2. **Albert TJ**, Dempsey CW, Sorenson CW: Anterior cerebellar vermal stimulation: Effect on behavior and basal forebrain neurochemistry in rat. *Biol Psychol* 1985; 20:1267-1276.
3. Wang GW, Moskal JT, **Albert TJ**, et al: The effect of halovest length on stability of the cervical spine: A study in normal subjects. *J Bone Joint Surg* 1988; 10A:357.
4. **Albert TJ**, Levine MJ, Cotler JM, Balderston RA: Gastrointestinal complications of spinal cord injury. *Spine* 1991; 16(10 Suppl):522-525.
5. **Albert TJ**, Levine MJ, An HS, Cotler JM, Balderston RA: Concomitant noncontiguous thoracolumbar and sacral fractures. *Spine* 1993; 18:1285-1291.
6. **Albert TJ**, Wapner KL: Fractures of the first metatarsal after first metatarsophalangeal fusion: A complication of Steinman pin fixation. *Foot Ankle* 1993; 14:107-110.
7. Wapner KL, Vaccaro A, **Albert TJ**, Mandel M, Dolinskas CN, Bruno LA, Hume EL: The results of chemonucleolysis as a function of three dimensional volumetric analysis of disc herniation. *J Spinal Disord* 1993; 6:324-332.
8. **Albert TJ**, Balderston RA, Heller JG, Tomany K, An HS, Herkowitz HN, Garfin SR, Simeone FA: Upper lumbar disc herniations. *J Spinal Disord* 1993; 6:351-359.
9. **Albert TJ**, Desai D, McIntosh TM, Lamb D, Balderston RA: Early versus delayed replacement of autologous blood in elective spinal surgery: A randomized prospective trial. *Spine* 1993; 18:1071-1078.
10. **Albert TJ**, Lamb D, Piazza MR, Flanders AE, Balderston RA, Cotler JM: MRI evaluation of fusion mass incorporation after anterior cervical fusions: Preliminary findings. *Int J Paraplegia* 1993; 31:667-674.
11. Frieman BG, **Albert TJ**, Fenlin JM: Rotator cuff disease: A review of diagnoses, pathophysiology, and current trends in treatment. *Arch Phys Med Rehabil* 1994; 75:604-609.
12. **Albert TJ**, Purtill J, Mesa JJ, McIntosh TC, Balderston RA: Health outcome assessment before and after adult deformity surgery: A prospective study. *Spine* 1995; 20:2002-2005.
13. **Albert TJ**, Mesa JJ, Eng K, McIntosh TC, Balderston RA: Health outcome assessment before and after lumbar laminectomy for radiculopathy. *Spine* 1996; 21:960-963.

14. Heary RF, **Albert TJ**, Ludwig SC, Vaccaro AR, Leddy TP, Schmidt RR: Surgical anatomy of the vertebral arteries. *Spine* 1996; 21:2074-2080.
15. Wetzler MJ, Akapata T, **Albert TJ**, Foters TE, Levy AS: A retrospective study of cervical spine injuries in American rugby: 1970-1994. *Am J Sports Med* 1996; 24:455-458.
16. Levine MJ, **Albert TJ**, Smith MD: Cervical radiculopathy: Diagnosis and non-operative management: A comprehensive review. *J Am Acad Orthop Surg* 1996; 4:305-316.
17. Giacobetti FB, Vaccaro AR, Bos-Giacobetti MA, Deeley DM, **Albert TJ**, Farmer JC, Cotler JM: Vertebral artery occlusion associated with cervical spine trauma: A prospective analysis. *Spine* 1997; 22:188-192.
18. Heary RF, **Albert TJ**, Vaccaro AR, Mesa JJ, Northrup B, Balderston RA, Cotler JM: Steroids and gunshot wounds to the spine. *Neurosurgery* 1997; 41:576-583.
19. **Albert TJ**, Smith MD, Bressler E, Johnson LJ: An in vivo analysis of the dimensional changes of the neuroforamen after anterior cervical discectomy and fusion: A radiologic investigation. *J Spinal Disord* 1997; 10:229-233.
20. Abraham DJ, Vaccaro AR, **Albert TJ**, Cotler JM: Gas in the spinal canal associated with injury of the cervical spinal cord: A diagnostic dilemma. A case report. *J Bone Joint Surg Am* 1997; 79:591-593.
21. Hozack WJ, Rothman RH, **Albert TJ**, Balderston RA, Eng K: Relationship of total hip replacement outcome to other orthopaedic procedures. *Clin Orthop* 1997; 344:88-93.
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Placement of Pedicle Screws in the Cervical Spine: Comparative Accuracy of Cervical Pedicle Screw Placement Using Three Techniques. American Academy of Orthopaedic Surgeons Annual Meeting and Federation of Spine Associations. New Orleans, LA. March 1998.

Patient Based Health Outcome Assessment for Spinal Diagnostic Groups. Federation of Spine Associations – Invited Paper. New Orleans, LA. March 1998.

The Spine in Sports. Rothman Institute at Jefferson, Sports Medicine for the Athletic Trainer, Physical Therapist and Coach. Philadelphia, PA. *August 1998*.

Simultaneous Anterior/Posterior Fusion for Thoracolumbar Disorders. Scoliosis Research Society. New York, NY. September 1998.

Plate Fixation after Anterior Cervical Discectomy and Fusion: An Economic Analysis. North American Spine Society (poster). San Francisco, CA. November 1998.

Plate Fixation after Anterior Cervical Discectomy and Fusion: An Economic Analysis. Cervical Spine Research Society. Atlanta, GA. December 1998.

Lateral Mass Fixation in the Cervical Spine. Cervical Spine Research Society. Atlanta, GA. December 1998.

Outcomes of posterior instrumented fusion for adult scoliosis with stenosis. Scoliosis Research Society. San Diego, CA. 1999.

Stability of posterior interbody constructs: A biomechanical analysis. International Society for the Study of the Lumbar Spine. Adelaide, Australia. April 2000.

Ordering behavior of spinal surgeons related to patient gender and race. International Society for the Study of the Lumbar Spine. Adelaide, Australia. April 2000.

Predictors of Outcomes in degenerative spondylolisthesis. International Society for the Study of the Lumbar Spine. Adelaide, Australia. April 2000.

Surgical results of laminectomy and instrumented fusion for degenerative scoliosis with stenosis. American Orthopaedic Association Annual Meeting. Homestead, VA. June 15, 2000.

Post-laminectomy cervical kyphosis: Treatment and results; Adult isthmic spondylolisthesis: Optimal Surgical Approach. A meta analysis. North American Spine Society Annual Meeting. New Orleans, LA. October 2000.

North American Spine Society 15th Annual Meeting

New Orleans, LA, October 25-28, 2000

Optimal Approach for Surgical Treatment of Isthmic Spondylolisthesis: A Meta Analysis (Malloy KM, Hilibrand AS, Savas PA, Vaccaro AR, **Albert TJ**).

Pullout strength of lateral mass screws; MRI analysis of cervical dislocations. Cervical Spine Research Society Annual Meeting. Charleston, SC. December 2000.

Intervertebral Disc Gene Expression: Comparison of Normal and Degenerating Discs in an Animal Model: 29th Annual Meeting of the Cervical Spine Research Society. Monterey, CA. November 29, 2001.

Lateral Mass Plate Fixation for Severe Cervical Instability: 29th Annual Meeting of the Cervical Spine Research Society. Monterey, CA. November 29, 2001.

Neurophysiological Identification of Impending Neurologic Injury from Positioning for Anterior Cervical Spine Surgery: 29th Annual Meeting of the Cervical Spine Research Society. Monterey, CA. November 29, 2001.

Cervical Spine Research Society 29th Annual Meeting

Monterey, CA, November 29-December 1, 2001.

The Effects of Anterior Cervical Fusion on Overall Neck Range of Motion (Research Grant Update) (Presented by Hilibrand AS, Daffner SD, Fines J, Vaccaro AR, **Albert TJ**, Siegler S).

The Utility of Transcranial Motor-Evoked Potential Monitoring as an Indicator of Impending Cervical Spinal Cord Injury: 29th Annual Meeting of the Cervical Spine Research Society. Monterey, CA. November 29, 2001.

Functional Assessment of Donor Site Morbidity Following Anterior Iliac Crest Bone Harvest for Single Level Anterior Cervical Discectomy and Fusion by a Single Surgeon (Poster): 29th Annual Meeting of the Cervical Spine Research Society. Monterey, CA. November 29 – December 1, 2001.

Molecular Biology of Disk Degeneration. 14th Annual Disorders of the Spine Meeting. Whistler. British Columbia. January 20, 2002.

Disc Degeneration II (Moderator). International Society for the Study of Lumbar Spine 29th Annual Meeting. Cleveland, OH. May 14 – 18, 2002.

Osteoinductivity of Subcutaneous Vitoss with Isologous Bone Marrow in Rats. International Society for the Study of Lumbar Spine 29th Annual Meeting. Cleveland, OH. May 14 – 18, 2002.

Cervical Spine Symposium: Controversies in Cervical Spine Surgery. North American Spine Society Annual Meeting. Montreal, Canada. October 29 – November 2, 2002.

Transforaminal Lumbar Interbody Fusion: Effect on Sagittal Balance in Spondylolisthesis. North American Spine Society Annual Meeting. Montreal, Canada. October 29 – November 2, 2002.

Functional Assessment of Donor Site Morbidity Following Anterior Iliac Crest Bone Harvest for single Level Anterior Cervical Discectomy and Fusion by a Single Surgeon. North American Spine Society Annual Meeting. Montreal, Canada. October 29 – November 2, 2002.

Maintenance of Reductions in Patients Undergoing Transforaminal Lumbar Interbody Fusion for Isthmic Spondylolisthesis. North American Spine Society Annual Meeting. Montreal, Canada. October 29 – November 2, 2002.

Long-term Organ Culture of Intervertebral Disc. Cervical Spine Research Society 30th Annual Meeting. Miami Beach, FL. December 5 – 7, 2002.

Functional Assessment of Donor Site Morbidity Following Anterior Iliac Crest Bone Harvest for single Level Anterior Cervical Discectomy and Fusion by a Single Surgeon (Poster) Cervical Spine Research Society 30th Annual Meeting. Miami Beach, FL. December 5 – 7, 2002

American Academy of Orthopaedic Surgeons 70th Annual Meeting
New Orleans, LA, February 5-9, 2003.

One Year Follow-Up on Patients in a Pilot Safety and Efficacy Study of OP-1 in Posterolateral Lumbar Fusion as a Replacement for Iliac Crest Autograft.
(Presented by Hilibrand AS, Patel TC, Vaccaro AR, Truumees E, Fischgrund JS, Herkowitz HN, **Albert TJ**, McCullough JA).

North American Spine Society 18th Annual Meeting
San Diego, CA, October 21-25, 2003.

Comparison of Transcranial Electric Motor and Somatosensory Evoked Potential Monitoring during Cervical Spine Surgery (Hilibrand AS, Schwartz DM, Sethuraman V, Vaccaro AR, **Albert TJ**).

Results of a Randomized Prospective Trial of OP-1 vs Autograft in Degenerative Lumbar Spondylolisthesis at Two Years, North American Spine Society, San Diego, CA October 23, 2003.

The Effects of Cervical Spondylosis and Anterior Cervical Fusion on Neck Motion (Presented by Hilibrand AS, Siegler S, Berta S, Daffner SD, Balasubramanian K, Eichenbaum MD, **Albert TJ**, Vaccaro AR).

Cervical Spine Research Society 28th Annual Meeting
Charleston, SC, November 30 – December 2, 2000

- 1) MRI Analysis of Soft Tissue Disruption following Flexion-Distraction Injuries of the Subaxial Cervical Spine (Presented by L Madigan) (Madigan L, Vaccaro AR, Schweitzer ME, Flanders AE, Hilibrand AS, **Albert TJ**).

International Society for Study of the Lumbar Spine 28th Annual Meeting
Edinburg, Scotland, June 19-23, 2001.

- 1) Gene Expression in Human Discectomy Specimens (Presented by M Izzo) (Izzo M, Anderson DG, Hall DJ, Tuan R, Arnold W, Vaccaro AR, Hilibrand AS, **Albert TJ**).
- 2) Gene Expression in the Intervertebral Disc: Comparison of Normal and Degenerated Discs in an Animal Model. (Presented by DG Anderson) (Anderson DG, **Albert TJ**, Izzo M, Hall D, Vaccaro AR, Hilibrand AS, Tuan R).

North American Spine Society 16th Annual Meeting
Seattle, WA, October 31 – November 3, 2001.

- 1) Pedicle Screws with High Electrical Resistance: A Potential Source of Error With Stimulus-Evoked EMG (Presented by DG Anderson) (Anderson DG, Wierzbowski LR, Schwartz DM, Hilibrand AS, Vaccaro AR, **Albert TJ**).
- 2) A Pilot Safety and Efficacy Study of OP-1 in Posterolateral Lumbar Fusion As a Replacement for Iliac Crest Autograft (Presented by TC Patel) (Patel TC, McCullough JM, Vaccaro AR, Truumees E, Fischgrund JS, Herkowitz HN, **Albert TJ**, Hilibrand AS, Phillips FM, Wetzels T).

Cervical Spine Research Society 29th Annual Meeting
Monterey, CA, November 29 – December 1, 2001

- 1) Intervertebral Disc Gene Expression: Comparison of Normal and Degenerating Discs in an Animal Model (Presented by DG Anderson) (Anderson DG, Izzo M, Hall D, Tuan R, Hilibrand AS, Vaccaro AR, **Albert TJ**).
- 2) Neurophysiologic Identification of Impending Neurologic Injury from Positioning For Anterior Cervical Spine Surgery (Presented by DM Schwartz) (Schwartz DM, **Albert TJ**, Hilibrand AS, Vaccaro AR).
- 3) The Utility of Transcranial Motor-Evoked Potential Monitoring as an Indicator of Impending Cervical Spinal Cord Injury (Presented by V Sethuraman) (Sethuraman V, Hilibrand AS, Schwartz DM, Vaccaro AR, **Albert TJ**).

International Society for Study of the Lumbar Spine 29th Annual Meeting
Cleveland, OH, May 14-18, 2002.

A Pilot Study and Efficacy Study of OP-1 in Posterolateral Lumbar Fusion as a Replacement for Iliac Crest Autograft (Presented by TC Patel) (Patel TCh, Vaccaro AR, Truumees E, Fischgrund JS, Herkowitz HN, **Albert TJ**, Hilibrand AS, Phillips F, Wetzel T, McCullough J.)

Scoliosis Research Society 37th Annual Meeting
Seattle, WA, September 19-21, 2002

Transcranial Electric Motor-Evoked Potential Monitoring as an Early Indicator of Emerging Thoracic Spinal Cord Ischemic Injury (Presented by A. Sestokas) (Schwartz D, Li M, Vaccaro AR, Hilibrand AS, Mirachi MN, Matsumoto C, Sestokas A, Strantzas S, **Albert TJ**).

North American Spine Society 17th Annual Meeting
Montreal, QB, October 29 – November 1, 2002.

- 1) Functional Assessment of Donor Site Morbidity after Anterior Iliac Crest Bone Harvest for Single-level Anterior Cervical Discectomy and Fusion by a Single Surgeon (Presented by J Silber) (Silber J, Anderson DG, Daffner S, Brislin B, Leland JM, Hilibrand AS, Vaccaro AR, **Albert TJ**).
- 2) Maintenance of Reduction in Patients Undergoing Transforaminal Lumbar Interbody Fusion for Isthmic Spondylolisthesis (Presented by B Kwon) (Daffner S, Auerbach J, Hilibrand AS, Vaccaro AR, **Albert TJ**).
- 3) Transcranial Electric Motor-Evoked Potential Monitoring as an Early Indicator of Emerging Thoracic Spinal Cord Ischemic Injury (Presented by A Sestokas) (Schwartz D, Li M, Vaccaro AR, Hilibrand AS, Mirachi MN, Matsumoto C, Sestokas A, Strantzas S, **Albert TJ**).

Cervical Spine Research Society 30th Annual Meeting
Miami, FL, Dec 5-7, 2002

Long-Term Organ Culture of the Intervertebral Disc (Presented by **T Albert**) (**Albert TJ**, Izzo MW,

MW, Adams CS, Vaccaro AR, Hilibrand AS, Vreslovic EJ, Shapiro IM).

American Academy of Orthopaedic Surgeons 70th Annual Meeting
New Orleans, LA, February 5-9, 2003.

The Utility of Transcranial Motor-evoked Potential Monitoring during Cervical Spine Surgery (Presented by V Sethuraman) (Hilibrand AS, Schwartz DM, Sethuraman V, Vaccaro AR, **Albert TJ**).

International Society for Study of the Lumbar Spine 30th Annual Meeting
Vancouver, BC, May 13-17, 2003.

Mesenchymal Stem Cells Respond to their microenvironment *in vitro* to Assume Nucleus Pulposus-like Phenotype (Presented by **T Albert**) (Risbud M, Izzo M, **Albert TJ**, Adams C, Hilibrand AS, Vaccaro AR, Vresilovic E, Shapiro I).

North American Spine Society 18th Annual Meeting
San Diego, CA, October 21-25, 2003.

Two Year Follow-up on Patients in a Pilot Safety and Efficacy Study of OP-1 in Posterolateral Lumbar Fusion as a Replacement for Autograft (Presented by **T Albert**), (Patel T, Vaccaro AR, Truumees E, Fischgrund J, Herkowitz H, **Albert TJ**, Hilibrand AS, Phillips F, Wetzel T, McCullough J).

Cervical Spine Research Society 31st Annual Meeting
Scottsdale, AZ, December 11-13, 2003.

Development of a New Zealand White Rabbit Model of Spinal Pseudarthrosis Repair And Evaluation of the Potential Role of OP-1 to Overcome Pseudarthrosis (Presented By J Grauer) (Grauer JN, Vaccaro AR, Kat M, Kwon BK, Beiner JM, Patel T, Hilibrand AS, Chiba K, **Albert TJ**).

Japan BMP Conference (Poster)

Gene expression associated with pseudoarthrosis repair by OP-1 or autograft in a nicotine-exposed rabbit model.

Andrew P, White, MD, Travis Maak, BS, Daniel Prince, MD, Alan S. Hilibrand, MD, **Todd J. Albert, MD**, Alexander R. Vaccaro, MD, Kazuhira Chiba, MD, Masahiro Kato, MD, Jonathan N. Grauer, MD.

Cervical Spine Research Society Thirty Second Annual Meeting, Boston, Massachusetts – December 9-11, 2004.

Fusion Rates Following Anterior Cervical Decompression and Fusion: A Prospective, Multi-center, Study to Investigate Predictive Factors of Positive Clinical Outcome.

Detection of Esophageal Perforation Using Intraesophageal Dye Injection.

Swallowing Difficulty Following Anterior Cervical Decompression and Fusion: Prevalence and Risk Factors from a Longitudinal Cohort Study.

Agreement Between Operating Surgeons and an Expert Panel with Respect to Surgical Site Fusion Following Single-Level Anterior Cervical Spine Surgery: A Prospective, Multi-Center, Study.

Todd J. Albert, MD

Poster: Early Predictive Value of Supine and Upright Radiographs of Odontoid Fractures Treated with Halo Vest Immobilization.

Study Group of Nerve and Spine – Present State of Lumbar Fusion. Tokyo, Japan – March 18-20, 2006.

University of Pennsylvania – Cervical Deformities, October 5, 2006.

Oscar Miller Day Guest Lecturer – October 19-20, 2006

1. Update on Cervical Disc Replacement
2. Cervical Myelopathy

Rochester Spine Study Group Guest Lecturer – Cervical Disc Arthroplasty – November 2, 2006.

University of Rochester – Cervical Myelopathy – November 3, 2006.

Singapore Orthopaedic Association Guest Professor:

Biologics in Spinal Fusion
Minimally Invasive Techniques: Its place in our Armamentarium
Adult Scoliosis
The Challenge of the Osteoporotic Spine
Cervical Disc Arthroplasty

Southern Brazilian Orthopaedic Society

Guest Speaker
June 21-23, 2007

National Revision Burden for Lumbar Total Disc Replacement in the United States (Poster)
Kurtz, Steven; Lau, Edmund; Ianuzzi, Allyson; Lanman, Todd; Isaza, Jorge, **Albert, Todd**.

Lumbar Spine Research Society – Chicago, Illinois April 2-3, 2009:

“Evaluation of the time and dose dependent cytotoxic effects of lidocaine on bovine nucleus pulposus cells *in vitro*”.

T₂ Mapping as a Potential Biomarker in a Rabbit Model of Intervertebral Disk Damage and Degeneration.

Comparison of the Epidemiology and Surgical and Nonsurgical Management of Diabetic versus Nondiabetic Patients with Spinal Disorders in the Spine Patient Research Trials. (Presenter)

25th Annual Meeting of the Cervical Spine Research Society – European Section.
Guest Speaker “Surgical Treatment of the Cervical Spine in Ankylosing Spondylitis” at
10:00 AM. “AS vs DISH in trauma – Diagnostic and therapeutic similarities and
differences” Round Table Discussion at 2:00 PM.
Stockholm, Sweden – June 10-13, 2009.

SAS Program Committee Meeting
“Indications and Approach”
“ACDF vs Disc Replacement Measuring Value”
New Orleans, LA
April 25-29, 2010

“Spinal Cord Injury Associated with Type II Odontoid Fractures: A Retrospective
Cohort Analysis.”
Amar Arun Patel, Harvey Smith, Kristen Radcliff, **Todd J. Albert**, James Harrop, D
Greg Anderson, Alan Hilibrand, Jeffrey Rihn, Alexander R. Vaccaro.
San Diego, CA – February 2011

“Does a Multilevel Laminectomy with a Single Level PLF Increase the Risk of
Adjacent Segment Disease.”
Brian J. Newman, David T Anderson, Kristen E. Radcliff, Alexander R. Vaccaro,
Todd J. Albert, Alan S. Hilibrand.
San Diego, CA – February 2011.

“Epidural Steroid Injections Affect the Outcome of Lumbar Disk Herniation: A SPORT
Subgroup Analysis.”
Kristen E. Radcliff, Alan S. Hilibrand, Jeffrey Rihn, Wenyan Zhao, John Lurie,
Alexander R. Vaccaro, Tor Tosteson, James N. Weinstein, **Todd J. Albert, M.D.**
San Diego, CA – February, 2011.

“Vertebral Body Height as a Predictor of Ligamentous and Neurologic Injury in Burst
Fractures.”
Kristen E. Radcliff, Todd A. Rubin, Bruan W. Su, Jeffrey Rihn, D. Greg Anderson,
Alan S. Hilibrand, James Harrop, **Todd J. Albert**, Alexander R. Vaccaro.
San Diego, CA – February 2011.

“Cost-Utility Analyses in Spinal Care: A Systematic Review”
Jeffrey Rihn, Sean Wilkinson, Kristen Radcliff, Alexander Vaccaro, D. Greg Anderson,
Alan S. Hilibrand, **Todd J. Albert**.
San Diego, CA – February 2011.

“Predictors and Results of Reoperation for Spinal Stenosis: A subgroup Analysis of the SPORT”

Kristen Radcliff, Jeffrey Rihn, Patrick Curry, Wenyan Zhao, Jon Lurie, Alexander Vaccaro, **Todd J. Albert**, James N. Weinstein, Alan S. Hilibrand
San Diego, CA – February 2011.

“Defensive Medicine The Impact of Preventable Spinal Imaging”

Mark Kurd, Alan Hilibrand, James D. McDermott, Jeffrey Rihn, Ravi Kumar Ponnappan

D. Greg Anderson, Alexander Vaccaro, **Todd J. Albert**.

San Diego, CA – February 2011.

2012

“Reoperation Following Degenerative Spondylolisthesis Surgery: A Subgroup Analysis of the SPORT”

Edward Curry, Kristen E. Radcliff, Alan S. Hilibrand, Jeffrey A. Rihn, **Todd J. Albert**, Wenyan Zhao, Jon Lurie, James N. Weinstein.
AAOS 2012 – San Francisco, CA – February, 2012

“Do Epidural Steroid Injections Affect Outcomes for Lumbar Stenosis and Degenerative Spondylolisthesis Patients?”

Kristen E. Radcliff, Christopher Kepler, Alan S. Hilibrand, Wenyan Zhao, Jonathan Lurie, Jeffrey A. Rihn, **Todd J. Albert**, James N. Weinstein.
AAOS 2012 – San Francisco, CA – February, 2012

“Does Opioid Pain Medication Use Affect the Outcome of Patients with Lumbar Disk Herniation?”

Roman Isaac, Kristen E. Radcliff, Alan S. Hilibrand, **Todd J. Albert**
AAOS 2012 – San Francisco, CA – February, 2012

“Implant Costs, Fixationoints, and Patient Outcomes: Implications for the Surgical Treatment of AIS.”

Suneel B. Bhat, Jeffrey A. Riihn, Kristen E. Radcliff, **Todd J. Albert**, Alexander Vaccaro, Alan S. Hilibrand, D. Greg G. Anderson, Timothy T. Ward.
AAOS 2012 – San Francisco, CA – February 2012.

“Incidence of Undiagnosed Neurological Disorders ini Hip Fracture Patients.”

Edward P. Curry, Kristen E. Radcliff, Roman Trimba, Jeffrey B. Walker, **Todd J. Albert**, Javad Parvizi, Alan S. Hilibrand.
AAOS 2012 – San Francisco, CA – February, 2012.

“Stochastic Simulation of Operative vs. Non-operative Management of Odontoid Fracture in the Elderly.”

Suneel B. Bhat, Christopher Kepler, Kristen E. Radcliff, Jeffrey A. Rihn, **Todd J. Albert**, Alexander Vaccaro.

AAOS 2012 – San Francisco, CA – February, 2012.

“Trans Lumbar Interbody Fusion (TLIF) in the Management of Deformity: Is This The Standard of Care for Posterior Approach Surgery?”

Todd J. Albert

Scoliosis Research Society 47th Annual Meeting & Course
Chicago, Illinois – September 5-8, 2012

Poster #10

“Clinical Validation of a Novel, Anatomically Based Classification of Cervical Stenosis.”

Poster #58:

“Atlas Fracture Transoral Reduction and Osteosynthesis C, as a Function-preserving Option in the Treatment of Unstable Jefferson Fracture.”

Poster #72:

“Influence of Neurological Status on Surgical Site Infection in Posterior Cervical Spinal Surgery.”

CSRS – Chicago, Illinois - December 6-8, 2012.

2013

Paper #18

“Measuring Value in Spinal Surgery: What SPORT Has Taught Us.”

The Association of Bone and Joint Surgeons – Istanbul, Turkey - April 25, 2013.

2014

“Patient and surgical factors involved in postoperative urinary retention after lumbar Spine Surgery. Gandhi SD, Patel S, Anderson DG, Vaccaro AR, **Albert TJ**, Rihn JA. American Academy of Orthopaedic Surgeons Annual Meeting, New Orleans, LA March 11-15, 2014

Paper #98: Reliability Assessment of a Novel Cervical Deformity Classification System

Justin S. Smith, MD, PhD; Robert K. Eastlack, MD; Donald J. Blaskiewicz, MD; Christopher I. Shaffrey, MD; Frank J. Schwab, MD; Shay Bess, MD; Han Jo Kim, MD; Eric Klineberg, MD; Michael F. O’Brien, MD; **Todd J. Albert, MD**; Michael G. Fehlings, MD, PhD; Virginie Lafage, PhD; Christopher P. Ames, MD; K. D. Riew, MD; International Spine Study Group

Todd J. Albert, MD

Scoliosis Research Society IMAST 21st International Meeting, Valencia, Spain.
July 14-16th, 2014

Safety in Spine Surgery: Pre-Operative Risk Mitigation, Todd Albert, MD
Safety in Spine Surgery: Blood Loss and Hemodynamic Instability, Todd Albert, MD
SRS, Anchorage, Alaska
September 5-12, 2014

Session 1: Moderator: Panel Discussion: Macro Trends – Where Are We Now?
Session 3: Case Study/Example: Let’s Get Practical – Value Models That Are Already Working
Session 5: Moderator: Bringing It All Together – Take Home Points and Next Steps
1st Annual Value in Healthcare Forum, New York, NY
November 6th, 2014

Cervical Spine Research Society Annual Meeting, Orlando, FL
December 3-6, 2014

“C2 Fractures in the Elderly: Complications, Costs and Regional Variations” Adam Pearson
M.D.; Brook I. Martin, Ph.D., MPH and **Todd J. Albert, M.D.**

Presentations Case Studies:

Case #1: 3-level Severe Stenosis in 35 year old with Radicular Pain and Early Myelopathy

Case #2: 77 year old Female with Radicular pain after C26 ACDF with ASD at C7T1, T12

2015

Carolina Healthcare System Graduation, June 2015, Visiting Professorship, “Measuring Value
in Healthcare”.

Cervical Spine Research Society (SRS) December 2015, San Diego, CA. “Cervical Spine
Fusion: 16-Year Trends in Epidemiology, Indications, and Bone Morphogenetic Protein
Utilization by Surgical Approach”. Lampe LP, Hughes AP, Derman P, Kueper J, Pan TJ, Girardi
FP, Albert TJ, Lyman S.

Cervical Spine Research Society (SRS) December 2015, San Diego, CA. “A Novel
Radiographic Indicator of Developmental Cervical Stenosis”. Horne PH, Lampe LP, Nguyen
JT, Herzog RJ, Albert TJ

Clinical Orthopaedic Society (COS) September 2015, New York, NY. 103rd Annual Meeting
Scientific Program, Healthcare and Hospital Trends – Current and Future Trends, **Todd J.
Albert, MD**

Todd J. Albert, MD

Date: _____

Signature: _____